Tecumseh

Performance Data Sheet

VSC5540ENA

General Information

Model	VSC5540ENA	Refrigerant	R-22
Test Condition	ARI	Performance Test Voltage	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	15600	14700					
	Watts	1980	2290					
	Amps	9.46	10.1					
	Lb/h	201	197					
-10	Btu/h	16800	15800	14600				
	Watts	1980	2270	2640				
	Amps	9.60	10.3	11.3				
	Lb/h	215	211	203				
-5	Btu/h	18300	17300	16100	14600			
	Watts	1980	2260	2600	3030			
	Amps	9.72	10.3	11.3	12.6			
	Lb/h	233	230	223	210			
0	Btu/h	20200	19200	18000	16500	14500		
	Watts	1980	2250	2570	2970	3470		
	Amps	9.82	10.4	11.3	12.6	14.3		
	Lb/h	256	253	247	236	218		
5	Btu/h	22600	21400	20200	18600	16700		
	Watts	1980	2240	2550	2930	3390		
	Amps	9.90	10.5	11.4	12.6	14.3		
	Lb/h	284	280	275	265	249		
10	Btu/h	25300	24000	22700	21100	19200	16900	14100
	Watts	1970	2240	2540	2900	3330	3870	4530
	Amps	9.96	10.5	11.4	12.6	14.2	16.2	18.6
	Lb/h	316	312	306	297	284	263	235
15	Btu/h	28300	26900	25400	23800	21900	19700	16900
	Watts	1970	2230	2520	2870	3280	3790	4420
	Amps	10.0	10.5	11.4	12.6	14.2	16.2	18.5
	Lb/h	352	347	342	333	321	303	277
20	Btu/h	31700	30100	28500	26800	24900	22600	19900
	Watts	1950	2220	2510	2850	3250	3730	4320
	Amps	10.0	10.6	11.4	12.6	14.2	16.1	18.4
	Lb/h	391	386	380	373	361	345	321

25	Btu/h	35400	33600	31900	30100	28000	25800	23100
	Watts	1930	2210	2500	2830	3220	3680	4240
	Amps	10.0	10.6	11.4	12.6	14.2	16.1	18.4
	Lb/h	435	428	422	415	404	389	368
30	Btu/h	39500	37400	35500	33500	31400	29100	26400
	Watts	1890	2190	2490	2820	3190	3640	4180
	Amps	10.0	10.6	11.4	12.6	14.1	16.0	18.3
	Lb/h	482	474	467	459	450	436	417
35	Btu/h	43800	41500	39400	37200	35000	32600	29800
	Watts	1850	2160	2470	2800	3180	3610	4120
	Amps	10.0	10.6	11.4	12.6	14.1	16.0	18.3
	Lb/h	532	522	514	507	497	485	467
40	Btu/h	48400	45900	43500	41100	38700	36200	33400
	Watts	1790	2130	2450	2790	3160	3590	4090
	Amps	9.99	10.5	11.4	12.6	14.1	16.0	18.3
	Lb/h	585	573	564	556	547	535	519
45	Btu/h	53300	50500	47800	45200	42700	40000	37100
	Watts	1720	2080	2430	2780	3150	3570	4060
	Amps	9.95	10.5	11.4	12.6	14.2	16.1	18.3
	Lb/h	641	627	617	608	599	587	573
50	Btu/h	58500	55300	52300	49500	46800	43900	40900
	Watts	1630	2020	2390	2760	3140	3560	4040
	Amps	9.91	10.5	11.4	12.6	14.2	16.1	18.4
	Lb/h	699	684	671	661	652	641	628
55	Btu/h	63900	60300	57100	54000	51000	47900	44800
	Watts	1520	1950	2350	2730	3130	3550	4030
	Amps	9.86	10.5	11.4	12.6	14.2	16.1	18.4
	Lb/h	760	742	728	717	707	696	683

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.417718E+04	-7.720574E+02	1.547149E+01	3.700969E+02
C2	8.761059E+02	-4.224237E+01	3.464611E-02	9.992510E+00
C3	-3.618242E+02	6.599544E+01	-1.682785E-01	-4.343407E+00
C4	1.193717E+01	-7.100067E-01	-1.177416E-03	1.269715E-01
C5	-9.129239E+00	1.156406E+00	3.044730E-05	-1.149724E-01
C6	3.736073E+00	-6.742701E-01	1.021276E-03	5.822018E-02
C7	-1.745831E-02	-2.100531E-03	1.963102E-06	-2.633776E-04
C8	-5.390222E-02	8.407679E-03	9.561620E-06	-4.793897E-04
C9	4.401189E-02	-7.833173E-03	-3.052851E-06	6.708633E-04
C10	-1.737036E-02	3.490130E-03	2.490439E-06	-2.713127E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature